

57 (modif\$6 near4 frame\$1) and (( (fricat\$5 or plosive\$1 or stop\$1) near2 (recogni\$5 or identif\$7 or spot\$4 or classif\$9 or determin\$4)) ) USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM\_TDB  
2003/11/13 14:12

22 (( (modif\$6 or increas\$4 or decreas\$4 or reduc\$4 ) near4 frame\$1) and (( (fricat\$5 or plosive\$1 or stop\$1) near2 (recogni\$5 or identif\$7 or spot\$4 or classif\$9 or determin\$4)) )) and (( speech\$9 or speak\$9 or voic\$9 or talk\$9 or spoken or locut\$9 or vocal\$9 or phonem\$9 or phonet\$9 or articul\$9 or verbal\$9 or oral\$9 ).ti,ab.) USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM\_TDB 2003/11/13 14:12

12 (( (modif\$6 or increas\$4 or decreas\$4 or reduc\$4 ) near4 frame\$1).ti,ab. and (( (fricat\$5 or plosive\$1 or stop\$1) near2 (recogni\$5 or identif\$7 or spot\$4 or classif\$9 or determin\$4)) )) USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM\_TDB 2003/11/13 14:58

41 ( fricative\$1 or vowel\$1 or consonant\$1 or plosive\$1 or unvoic\$7).ti,ab. same (percept\$4 or intelligib\$7) USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM\_TDB 2003/11/13 15:00

55 (((speech near (type kind) ) or (phoneme near (type kind class group) )) near2 (recogni\$5 or identif\$7 or spot\$4 or classif\$9)).ti,ab. USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM\_TDB 2003/11/13 15:00

22 (modif\$6 near4 frame\$1).ti,ab. and (percept\$4 or intelligib\$7) USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM\_TDB 2003/11/13 15:01

129 ((( (modif\$6 or increas\$4 or decreas\$4 or reduc\$4 ) near4 frame\$1).ti,ab. and (( (fricat\$5 or plosive\$1 or stop\$1) near2 (recogni\$5 or identif\$7 or spot\$4 or classif\$9 or determin\$4)) )) ((modif\$6 near4 frame\$1).ti,ab. and (percept\$4 or intelligib\$7)) (( ( fricative\$1 or vowel\$1 or consonant\$1 or plosive\$1 or unvoic\$7).ti,ab. same (percept\$4 or intelligib\$7) )) (((speech near (type kind) ) or (phoneme near (type kind class group) )) near2 (recogni\$5 or identif\$7 or spot\$4 or classif\$9)).ti,ab. )) USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM\_TDB 2003/11/13 15:01

78 (( (modif\$6 or increas\$4 or decreas\$4 or reduc\$4 ) near4 frame\$1) and ( ( fricat\$5 or vowel\$1 or consonant\$1 or plosive\$1 or unvoic\$7 or stop\$1 ) same (percept\$4 or intelligib\$7) ) USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM\_TDB 2003/11/13 15:32

47 (( (modif\$6 or increas\$4 or decreas\$4 or reduc\$4 ) near4 frame\$1) and (((speech near2 (type kind) ) or ( phonem\$4 or phonet\$4) near (type kind class group) )) near2 (recogni\$5 or identif\$7 or spot\$4 or classif\$9)) ) USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM\_TDB 2003/11/14 13:37

85 (( (modif\$6 or increas\$4 or decreas\$4 or reduc\$4 or alter\$4) near2 frame\$1) same ((enhanc\$4 or improv\$4 or better or increas\$4) NEAR2 ( speech\$9 or speak\$9 or voic\$9 or talk\$9 or spoken or locut\$9 or vocal\$9 or phonem\$9 or phonet\$9 or articul\$9 or verbal\$9 or oral\$9 ) ) USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM\_TDB 2003/11/14 13:54

20 (( (modif\$6 or increas\$4 or decreas\$4 or reduc\$4 or alter\$4) near2 (amplitude or power or level) ) near2 frame\$1) and ((enhanc\$4 or improv\$4 or better or increas\$4) NEAR2 ( speech\$9 or speak\$9 or voic\$9 or talk\$9 or spoken or locut\$9 or vocal\$9 or phonem\$9 or phonet\$9 or articul\$9 or verbal\$9 or oral\$9 ) ) USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM\_TDB 2003/11/14 13:58

92 (( (modif\$6 or increas\$4 or decreas\$4 or reduc\$4 or alter\$4 or chang\$4 or boost\$4) near4 (amplitude or power or level) ) near4 frame\$1) same ( fricat\$5 or vowel\$1 or consonant\$1 or plosive\$1 or unvoic\$7 or stop\$1 ) USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM\_TDB 2003/11/14 14:18

10 (( (modif\$6 or increas\$4 or decreas\$4 or reduc\$4 or alter\$4 or chang\$4 or boost\$4) near4 (amplitude or power or level) ) near4 frame\$1) and ((enhanc\$4 or improv\$4 or better or increas\$4) NEAR2 ( fricat\$5 or vowel\$1 or consonant\$1 or plosive\$1 or unvoic\$7 or stop\$1 )) USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM\_TDB 2003/11/14 14:22

42 celp and ((enhanc\$4 or improv\$4 or better or increas\$4) NEAR2 ( fricat\$5 or vowel\$1 or consonant\$1 or plosive\$1 or unvoic\$7 or stop\$1 )) USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM\_TDB 2003/11/14 14:36

November <sup>14</sup>~~17~~, 2003  
BRS search